

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-221341
(43)Date of publication of application : 21.08.1998

(51)Int. CI. G01N 33/53
G01N 33/543

(21)Application number : 09-020381 (71)Applicant : MITSUI CHEM INC
(22)Date of filing : 03.02.1997 (72)Inventor : FUKUI HIDEO
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(54) DEVICE OF MEASURING FREE LIGAND IN BODY FLUID

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a measuring method of the concentration of free ligands in a body fluid, which is important for the diagnosis of various diseases, with no effect of endogenous ligand receptors with more accuracy than before.

SOLUTION: In a 2-step competitive immunoassay known as a measuring method of free ligands in a body fluid, by using a natural substance on the synthesizing and metabolic pathway of ligands in a living body and a chemically modified derivative as a substance to be labeled, the displacement action between ligands once bound to a solid-phase antibody, which causes reduction in measurement accuracy, and labeled ligands is reduced.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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